

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50321883

Blatt *Page*  
0006

Ihr Zeichen *Client Reference*  
X.J

Unser Zeichen *Our Reference*  
01-YY- 15086205 004

Ausstellungsdatum  
07.09.2016

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung  
  
www.tuv.com  
ID 2000000000

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

**Zertifiziertes Produkt (Geräteidentifikation)**  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

PV-Wechselrichter (Grid-Connected PV Inverter)

as page 0001  
Change

Type Designation : 1) GW3600-NS 2) GW3600D-NS  
3) GW4200-NS 4) GW4200D-NS  
5) GW5000-NS 6) GW5000D-NS

Isc PV [Ad.c.] : 1) 27.5; 2) 13.8/13.8;  
3) 27.5; 4) 13.8/13.8;  
5) 27.5; 6) 13.8/13.8;

MPP Voltage Range[Vd.c.] : 80-550

Max. Input Current [Ad.c.] : 1) 22; 2) 11/11;  
3) 22; 4) 11/11;  
5) 22; 6) 11/11.

continued on page 0007  
ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.



*Wei Chun Li*  
Wei Chun Li

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50321883

Blatt *Page*  
0007

Ihr Zeichen *Client Reference*  
X.J

Unser Zeichen *Our Reference*  
01-YY- 15086205 004

Ausstellungsdatum  
07.09.2016

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 2000000000

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

**Zertifiziertes Produkt (Geräteidentifikation)**  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

PV-Wechselrichter (Grid-Connected PV Inverter)

as page 0001  
Continuation

Type Designation	: GW5K-NS	GW5KD-NS	2
Vmax PV [Vd.c.]	: 580		
Isc PV [Ad.c.]	: 27.5	13.8/13.8	
MPP Voltage Range[Vd.c.]	: 80-550		
Max. Input Current[Ad.c.]	: 22	11/11	
Overvoltage Category (OVC)	: II for PV		

Rated Output Voltage[Va.c.]: 230  
Rated Output Frequency[Hz] : 50/60  
Rated Output Power[W] : 4600  
Max. Output Current[Aa.c.] : 21.7  
Power Factor : [-0.8, 0.8]  
Overvoltage Category (OVC) : III for AC mains

continued on page 0008

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50321883

Blatt *Page*  
0008

Ihr Zeichen *Client Reference*  
X.J

Unser Zeichen *Our Reference*  
01-YY- 15086205 004

Ausstellungsdatum  
07.09.2016

*Date of Issue*  
(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 2000000000

## Geprüft nach *Tested acc. to*

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

PV-Wechselrichter (Grid-Connected PV Inverter)

as page 0007  
Continuation

Protective Class : I  
Enclosure Protection (IP) : IP65  
Pollution degree (PD) : PD 2 (inside), PD3 (outside)  
Altitude [m] : 3000  
Operating Temperature [°C] : -25 to 60 (> 45 derating)  
Type of Inverter : Non-isolated

### Remark:

The installation has to be carried out according to the attached installation instruction.  
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

## ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Weichun Li

JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
Xie Jing  
Technic Support Dept.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

Date : 07.09.2016  
Our ref. : YY 01  
Your ref.: X.J

**Ref : R TÜV-Mark Approval**

Type of Equipment : Grid-Connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : R 50321883 0006  
Report No. : 15086205 004

Dear Xie Jing,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# C E R T I F I C A T E



of Conformity  
Low Voltage Directive 2014/35/EU

Registration No.: AN 50357772 0001

Report No.: 15086205 004

**Holder:** JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

**Product:** PV-Inverter  
(Grid-connected PV Inverter)

**Identification:** Type Designation : GW3000D-NS GW3600-NS GW3600D-NS  
GW4200-NS GW4200D-NS GW5000-NS  
GW5000D-NS GW5K-NS GW5KD-NS

Serial Number : Engineering Samples

Remark : Issued in conjunction with TÜV Rheinland  
license R 50321883 pages 0001-0008.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.



Certification Body

  
Weichun Li

Date 07.09.2016

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

JIANGSU GOODWE POWER SUPPLY  
TECHNOLOGY CO., LTD.  
Xie Jing  
Technic Support Dept.  
NO. 189 Kun Lun Shan Road  
Suzhou New District  
Jiangsu 215163  
P.R. China

Date : 07.09.2016  
Our ref. : YY 01  
Your ref.: X.J

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Grid-connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AN 50357772 0001  
Report No. : 15086205 004

Dear Xie Jing,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

  
Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询